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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/777,632	02/06/2001	Steven C. Nichols	65001/107/101	4462
128	7590	07/19/2004	EXAMINER	
HONEYWELL INTERNATIONAL INC. 101 COLUMBIA ROAD P O BOX 2245 MORRISTOWN, NJ 07962-2245			JUNTIMA, NITTAYA	
			ART UNIT	PAPER NUMBER
			2663	
DATE MAILED: 07/19/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/777,632	NICHOLS, STEVEN C.
	<b>Examiner</b>	<b>Art Unit</b>
	Nittaya Juntima	2663

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 06 February 2001.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-6 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-3 is/are rejected.
- 7) Claim(s) 4-6 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 06 February 2001 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>paper nos. 2-4</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

## DETAILED ACTION

### *Specification*

1. The disclosure is objected to because of the following informalities:
  - the status of each U.S. application cited on page 1 should be updated.

Appropriate correction is required.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. **Claims 1-3** rejected under 35 U.S.C. 102(e) as being anticipated by Kishigami et al. (USPN 6,617,057).

Per claim 1, as shown in Fig. 2, Kishigami et al. teach **a priority value generator** (the communication IC 21 having hard logic elements) providing **signal encoding a value** (priority signal encoding a value, “1111” or “0000”) whose magnitude indicates **a relative priority** (highest priority or lowest priority) (one of hard logic element resides in the communication IC 21 must provide a priority signal encoded with value in order for the data in a frame format shown in Fig. 3 to be transmitted to other nodes, col. 4, ll 20-26 and 57-62, and col. 6, ll 38-39), and **a message priority module** (the communication IC 21 having hard logic elements) receiving

*the priority signal* (the priority signal), and storing *the priority value* (the priority value “1111” or “0000”) in *predetermined bits* (priority field of Fig. 3) for *the send register* (a communication unit 20), wherein the send register records *a message* (a frame of data to be transmitted shown in Fig. 3 must be recorded in bit format for NRZ encoding) in bit format ordered from leading to the trailing bits for sending on *the data path* (a common data bus L) and provides *a message signal encoding the message bit format* (a message encoded with NRZ) (col. 4, ll 20-26, 28-38, and 57-62, and col. 6, ll 38-39).

Per **claim 2**, Kishigami et al. teach that the message priority module stores the priority value in the most significant bits (priority bits in of data frame shown in Fig. 3) of the send register (the communication IC 21 having hard logic elements must store the priority value, “1111” or “0000,” in the priority bits of the communication unit 20 in order to indicate the priority of the frame before transmitting it, col. 4, ll 20-26 and 57-62).

Per **claim 3**, Kishigami et al. teach that each message priority module (each of the communication IC 21) stores a priority value (“1111”) in which *a dominant bit value* (a bit level having a high priority or active level) in a bit position indicates a higher priority in that bit position (the communication IC 21 having hard logic elements must store priority value “1111” in which an active bit value “1” in the first bit position of the priority field indicates a higher priority in that bit position using NRZ encoding, col. 4, ll 20-26, 34-38, and 57-62).

***Allowable Subject Matter***

Art Unit: 2663

4. Claims 4-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nittaya Juntima whose telephone number is 703-306-4821. The examiner can normally be reached on Monday through Friday, 8:00 A.M - 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on 703-308-5340. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nittaya Juntima  
July 14, 2004

*Chau T. Nguyen*  
CHAU NGUYEN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600